

AMENDMENTS TO THE DRAWINGS

The attached sheet of drawings includes changes to Fig. 1. This sheet, which includes Fig. 1, replaces the original sheet including the same Figure.

Figure 1 has been labeled as Prior Art.

Attachment: Replacement sheet

REMARKS

Applicants thank the Examiner for the thorough consideration given the present application.

Claims 1-34 are now present in this application. Claims 1, 7, 11 and 30 are independent.

Claims 1, 7, 11, 12, 14-18, 22, 24, 26, 27, 30 and 32 have been amended. Reconsideration of this application, as amended, is respectfully requested.

Priority Under 35 U.S.C. § 119

Applicants thank the Examiner for acknowledging Applicants' claim for foreign priority under 35 U.S.C. § 119, and receipt of the certified priority document.

Information Disclosure Citation

Applicants thank the Examiner for considering the references supplied with the Information Disclosure Statements filed 16 June 2005, 11 June 2007, 9 November 2007 and 9 January 2008, and for providing Applicants with initialed copies of the PTO-SB08 forms filed therewith.

Objection to the Drawings

The Examiner has objected to the drawings because Figure 1 was not labeled Prior Art.

In order to overcome this objection, Applicants are concurrently submitting Replacement Drawing Sheets for the Examiner's approval, which address each of the deficiencies pointed out by the Examiner. Accordingly, reconsideration and withdrawal of this objection are respectfully requested.

Rejection Under 35 U.S.C. § 102 and § 103

Claims 1, 6-8, 11-15, 18 and 30-33 stand rejected under 35 U.S.C. § 102(b) as being anticipated by US 2,629,544 (Ohmart). Further, claims 2 and 3 stand rejected under 35 U.S.C. § 103 as being obvious over Ohmart in view of US 3,687,224 (Lundin), claims 4, 5, 9, 10, 16, 17 and 34 stand rejected under 35 U.S.C. § 103 as being obvious over Ohmart, claims 19-26 stand rejected

over Ohmart in view of GB991996 (GB'996) and claims 27-29 stand rejected as obvious over Ohmart in view of US 4,091,638 (Mitch). These rejections are respectfully traversed.

Complete discussions of the Examiner's rejections are set forth in the Office Action, and are not being repeated here.

While not conceding the appropriateness of the Examiner's rejection, but merely to advance prosecution of the instant application, Applicants respectfully submit that independent claim 1 has been amended to recite a combination of elements in a compressor including a chamber comprising a cylindrical body, an upper cap coupled at an upper portion of the body and a lower cap coupled at a lower portion of the body. An electric mechanism unit is positioned inside the chamber and generating rotational force and a compression mechanism unit for compressing and discharging fluid by the rotational force generated from the electric mechanism unit in the chamber. The body of the chamber includes an inner body and an outer body which are tightly attached so as to have a tight contact structure so that friction taking place in the contact surface of the inner body and the outer body due to difference in deformation of the inner body and the outer body reduces noise and vibration generated in the chamber.

Claim 7 has been amended to recite a combination of elements in a compressor with a chamber having a cylindrical body, an upper cap coupled at an upper portion of the body and a lower cap coupled at a lower portion of the body and an electric mechanism unit positioned inside the chamber and generating rotational force. A compression mechanism unit for compressing and discharging fluid by the rotational force generated from the electric mechanism unit is in the chamber. The body of the chamber includes an inner body and an outer body which are tightly attached so as to have a tight contact structure so that friction taking place in the contact surface of the inner body and the outer body due to difference in deformation of the inner body and the outer body reduces noise and vibration generated in the chamber, and the inner body is fixed to the upper cap and to the lower cap through welding.

Claim 11 has been amended to recite a combination of elements in a compressor chamber having a multi-layer structure at at least one portion. Plates of the multi-layer structure are tightly attached so as to have a tight contact structure so that friction taking place in the contact

surface of plates of the multi-layer structure due to difference in deformation of plates of the multi-layer structure reduces noise and vibration in the chamber.

Claim 30 has been amended to recite a combination of elements in a compressor including a cylindrical inner body and a cylindrical outer body tightly attached so as to have a tight contact structure so that friction taking place in the contact surface of the inner body and the outer body due to difference in deformation of the inner body and the outer body reduces noise and vibration generated in the chamber. An upper cap is coupled to an upper portion of the inner body and a lower cap coupled to a lower portion of the inner body.

Each of the independent claims now recites that the inner and outer body have a tight contact structure so that friction taking place in a contact surface of the inner body and the outer body due to difference in deformation of the inner body and the outer body reduces noise and vibration generated in the chamber. The Examiner states that the body of Ohmart discloses a compressor having an inner body and an outer body tightly attached to reduce noise and vibration through mutual friction between the inner body and the outer body. However, while Ohmart discloses a compressor having a body made from a multi-layered structure, the disclosure does not address any attributes of the layers. There is no teaching or suggestion that the layers are tightly attached so as to have a tight contact structure so that friction taking place in the contact surface of the inner body and the outer body due to difference in deformation of the inner body and the outer body reduces noise and vibration generated in the chamber, as is claimed. Ohmart discloses a multilayered structure forming both the side walls and top and there is no indication that any friction occurs between the layers.

Applicants respectfully submit that the combinations of elements as set forth in independent claims 1, 7, 11 and 30 are not disclosed or made obvious by the prior art of record, including Ohmart. Accordingly, reconsideration and withdrawal of these rejections are respectfully requested.

With regard to dependent claims 2-6, 8-10, 12-29 and 31-34, Applicants submit that these claims depend, either directly or indirectly, from independent claims 1, 7, 11 and 30 which are allowable for the reasons set forth above, and for the additional recitation set forth in these claims. Reconsideration and allowance thereof are respectfully requested.

Claims 21 and 23 specify that the outer layer has a higher thermal expansion coefficient and higher modulus of strain than the inner layer. The Examiner combined the teaching of Ohmart with GB '996 to reject these claims but neither reference discloses the relationship of the thermal expansion coefficient and modulus of strain between the two layers that is claimed. The Examiner also used these two references to reject claim 26 which recites that the contact surface of the multilayered structure is rugged. Neither reference has any teaching or suggestion of the contact surface between layers being rugged. Reconsideration and allowance of these claims are respectfully requested.

Conclusion

All of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider all presently outstanding rejections and that they be withdrawn. It is believed that a full and complete response has been made to the outstanding Office Action, and as such, the present application is in condition for allowance.

If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is invited to telephone Chris McDonald, Registration No. 41,533, at (703) 205-8000, in the Washington, D.C. area.

Prompt and favorable consideration of this Amendment is respectfully requested.

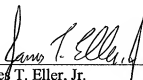
Application No. 10/539,309
Amendment dated January 7, 2009
Reply to Office Action of October 7, 2008

Docket No.: 0630-2359PUS1

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Dated: January 6, 2009

Respectfully submitted,

By 

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Attachment